

Converting Colors

CIE LCh(50, 6.254, 64.723)

Have a look what the booklet for
CIELCh(50, 6.254, 64.723) contains.

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Color

CIELCh(50, 6.562, 64.847)

Conversions

Conversions Part 1

Format	Color
Hex	80756D
RGB	128, 117, 109
RGB Percent	50%, 46%, 43%
CMY	0.4980, 0.5411, 0.5725
CMYK	0.00, 0.09, 0.15, 0.50
HSL	25°, 8%, 46%
HSV	25°, 15%, 50%
XYZ	18.0263, 18.4187, 17.0754
YIQ	119.3770, 9.1240, -0.1560

Conversions

Conversions Part 2

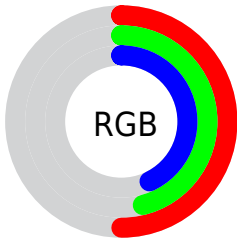
Format	Color
R_{YB}	128, 123, 109
Decimal	8418669
CIE _{Lab}	50.00, 2.79, 5.94
CIE _{LCh}	50, 6.562, 64.847
Yxy	18.4187, 0.3368, 0.3441
Android (android.graphics.Color)	4286608749 (0xFF80756D)
YUV	119.3770, -5.1159, 7.5624
Hunter-Lab	42.9170, -0.1296, 6.4521

Details

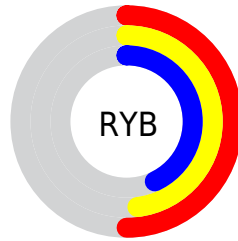
The CIELCh color $50, 6.562, 64.847$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $50, 6.215, 248.229$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $70, 6.769, 66.003$, and $30, 6.475, 63.243$ is the 20% darker color. If you saturate the color by 10%, you get $48, 11.307, 63.859$, and if you desaturate by 10%, it is $52, 2.079, 65.792$.

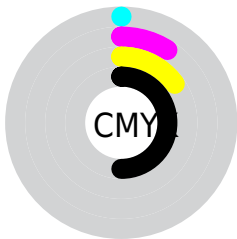
Distribution



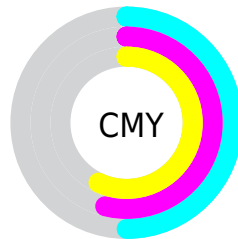
- Red (50%)
- Green (46%)
- Blue (43%)



- Red (50%)
- Yellow (48%)
- Blue (43%)



- Cyan (0%)
- Magenta (9%)
- Yellow (15%)
- Black (50%)



- Cyan (50%)
- Magenta (54%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 6.562, 64.847 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 50, 6.562, 64.847 by changing the saturation by 10% instead.

 50, 6.562, 64.847	 50, 6.562, 64.847
 100, 6.562, 64.847	 40, 6.562, 64.847
 70, 6.562, 64.847	 30, 6.562, 64.847
 80, 6.562, 64.847	 20, 6.562, 64.847
 90, 6.562, 64.847	 10, 6.562, 64.847
	 0, 6.562, 64.847

 50, 6.562, 64.847	 50, 6.562, 64.847
 48, 11.307, 63.859	 52, 2.079, 65.792
 45, 16.334, 62.862	 55, 2.166, 247.111
 43, 21.654, 61.886	 57, 6.197, 248.035

41, 27.254, 60.936

60, 10.040,
249.014

39, 33.083, 59.994

62, 13.715,
249.980

37, 39.004, 59.005

35, 44.720, 57.835

65, 17.243,
250.919

33, 49.771, 56.291

67, 20.641,
251.829

32, 52.556, 55.793

70, 23.925,
252.706

72, 27.107,
253.548

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



50, 6.562, 64.847



50, 6.215, 248.229

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50, 6.562, 64.847



50, 6.562, 114.847



50, 6.562, 244.847



50, 6.562, 294.847

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



50, 6.562, 64.862



67, 2.116, 65.842



48, 10.106, 340.511



35, 1.519, 65.798



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



50, 6.562, 64.862



63, 9.932, 64.505



53, 10.048, 105.121



26, 2.443, 65.424



32, 52.393, 55.804



0, 0.000, 0.000

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



50, 6.215, 248.229



62, 9.269, 248.713



47, 10.320, 288.225



26, 2.368, 247.529



30, 35.839, 273.472



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 50, 6.562, 64.847 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 50, 6.562, 64.847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

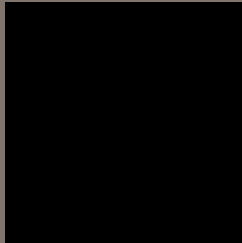
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 50, 6.562, 64.847

Background



This preview shows how black text looks on a background with the CIELCh color 50, 6.562, 64.847.



This preview shows how white text looks on a background with the CIELCh color 50, 6.562, 64.847.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

50, 6.562, 64.847

Protanopia

50, 5.489, 91.855

Deuteranopia

50, 8.778, 43.546



Tritanopia
50, 8.027, 339.443

Trichromacy



Original Color
50, 6.562, 64.847

Protanomaly
50, 5.491, 77.461

Deuteranomaly
50, 7.898, 50.960

Tritanomaly
50, 5.589, 1.791

Monochromacy



Original Color
50, 6.562, 64.847

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 2.382, 66.593

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 6.562, 64.847 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(128, 117, 109)` looks like.

```
.text, #text, p{  
    color:rgb(128, 117, 109)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(128, 117, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 117, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 6.562, 64.847 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(128, 117, 109) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(128, 117, 109) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(128, 117, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 117, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 117, 109);  
box-shadow:4px 4px 4px 4px rgb(128, 117,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 6.562, 64.847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 117, 109) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(128,  
117, 109) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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